DEMENT'YEV, V.A.

Current geomorphological processes on the territory of White Russia. Trudy Geofaka BGU no.2:3-16 '58. (MIRA 13:5)
(White Russia--Geology, Structural)

DEMENT'YEV, V.A.

On the morphometrical characteristics of White Russian topography. Trudy Geofaka BGU no.1:3-18 '58. (MIRA 12:8)
(White Russia--Topography)

AUTHOR: Dement'yev, V.A. 12-90-3-8/16

TITLE: Geographical Science in the Korean People's Democratic Republic (Geograficheskaya nauka v Koreyskoy Narodno-Demokraticheskoy Respublike)

PERIODICAL: Izvestiya Vsesoyuznogo Geograficheskogo Obshchestva, 1958, Vol. 90, Nr 3, pp 288 - 293 (USSR)

ABSTRACT: The article contains a historical review of the development of geographical sciences in the Korean People's Democratic Republic and presents information on its present stage. Important scientific centers are listed, such as the geologico-geographical faculty of the Pkhen'yanskiy universitet (Pkhenyan University), the Upravleniye gidrometsluzhby (Hydro-metereological Administration), the Academy of Sciences, the historico-geographical faculty of the Pedagogical Institute, etc. Research is being conducted in the field of geology, geomorphology, hydrometeorology, study of rivers, soil, vegetation and zoology. New educational aids, topographical and geographical maps have been composed. There are 7 Soviet references.

Card 1/1

1. Geographical science-Development-Korea 2. Study and teaching-Korea 3. Scientific research-Korea

DEMENT'YEV, V.A. [Dziaments'eu, V.A.]; SHKLYAR, A.Kh.; YAKUSHKA, O.F.

[Natural resources of White Russia, an account of its physical geography] Pryroda Belarusi; fizika-geagrafichny ahliad. Minsk, Dziarzh.vuchebna-pedagag.vyd-va, 1959. 315 p.
(MIRA 14:2)

(White Russia--Physical geography)

MALININ, S.N.; LUPINOVICH, I.S.; MOLOCHKO, I.S.; ABRAMCHUK, A.P.; ALEKSEYEV, Ye.K.; AL'SMIK, P.I.; AMBROSOV, A.L.; ANDREYEVA, N.M.; ANOKHIN, A.N.; AFONIN, M.I.; BABOSOV, M.M.; BALOBIN, V.N.; BARANOVSKIY, A.K.; BEZDENKO, T.T.; BEL'SKIY, B.B.; BOBKOVA, A.F.; BOL'SHAKOVA, V.P.; BULGAKOV, N.P.; VAGIN, A.T.; BIL'DFLUSH, R.T.; VIL'CHINSKIY, A.D.; VLASOVA, K.S.; VOYTKO, D.I.; VOLUZNEV, A.G.; GABYSHEV, M.F. [deceased]; GAYKO, A.A.; GALASHEV, M.A.; GOREGLYAD, Kh.S.; GARKUSHA, I.F.; GOSTILOVSKAYA, M.N.; GORBUNOVA, N.N.; GORSKIY, N.A.; GORFINKEL', Z.Sh.; GRUBILKO, N.P.; GUSAKOV, V.A.; GUDAYKIN, A.I.; DANILOVICH, A.F.; DEMENT'YEV, V.A.; DENISOV, Z.N.; DOROZHKIN, N.A.; DUBOV, A.B.; DUBOVSKIY, Ya.K.; YEVTIKHIYEV, B.Ye.; ZHARIKOV, I.S.; ZHILIN, A.P.; ZHOLNEROVICH, A.M.; ZHURAVEL', B.N.; ZABELLO, D.A.; ZAKHARENKO, G.D.; ZUBETS, V.M.; IVITSKIY, A.I.; KACHURO, I.M.; KEDROV-ZIKHMAN, O.K.; KIDALINSKIY, V.A.; KIPENVARLITS, A.F.; KOVALEVSKIY, G.T.; KOVAL'CHUK, P.P.; KOZHANOV, K.Ya.; KOZLOVSKIY, I.Ye.; KOCHETOVA, Z.N.; KRIVODUBSKIY, I.P.; KUDRYAVTSEV, S.F.; KUSTOVA, A.I.; LAPPO, A.I.; LARIONENKO, V.B.; LASHKEVICH, G.I.; MAL'CHEVSKIY, V.I.; MAN'KO, N.F.; MARKOVETS, A.F.; MATSKEPURO, M.Ye.; MEDVEDEV, A.G.; MEL'TSER, Ya.D.; MOISEYEV, I.G.; MUSORIN, V.V.; MUKHIN, N.D.; NAGORSKAYA, Ye.D.; NALIBOTSKIY, S.B.; NIKOLAYEVA, Yu.N.; NEDOLUGOV, I.T.; ORLOVSKIY, I.A.; ORLOVSKIY, K.P.; PANKEVICH, A.A.; PESKIN, A.L.; PROKOPOV, P.Ye.; PUSHKAREV, I.I.; RAZMYSLOVICH, I.R.; RAZUMENKO, A.V.; REMNEVA, Z.I.; RINKIS, V.A.; ROVDO, A.I.; ROGOVOY, P.P.; ROZENBLYUM, B.M.; RYZHMANOV, A.G.; RUSINOV, A.A.; SAVCHENKO, A.I.; SAPUNOV, V.A.; SAFRONOV, I.P.; SVIRSKIY, Ya.N.; SEVERNEV, V.P.; SERGEYEV, I.V.; SEMENOV, A.L.; SIDORENKO, G.M.;

(Continued on next card)

MALININ, S.N.---(continued) Card 2.
SKOROPANOV, S.G.; SKRIPNICHENKO, L.A.; SMIRNOV, T.Ye.; STAROVOYTOV, K.T. [deceased]; STRELKOV, I.G.; SUSLOV, V.P.; SUKHORUKOV, G.Ye.; SYUBAROV, A.Ye.; TIMOSHININ, V.D.; TISHKEVICH, I.I.; TROPASHKO, I.N.; TRIZNO, S.I.; TRIMA, N.K.; TUZOVA, R.V.; TURETSKIY, R.L.; UMANSKIY, M.M.; UR'YEV, I.M.; KHOT'KO, A.I.; KHROBOSTOV, S.N.; TSEKHANOVICH, P.V.; CHERNYAVSKIY, I.G.; CHULKOVA, Ye.I.; CHUNOSOV, M.N.; SHEMPEL', V.I.; SHIKHALEYEV, N.F.; SHKLYAR, A.Ye.; SHCHERBOV, N.A.; YURGENS, B.A.; YUSKOVETS, M.K.; YAKOVLEV, B.I.; YAKERSON, S.A.; YAROSHEVICH, A.A.; LUTSENKO, M.N., red.; LARIN, V., red.; KALECHITS, G., tekhn.red.

[Measures for increasing agricultural production per 100 hectares of land on collective and state farms of White Russia] Meropriiatiia po uvelicheniiu proizvodstva sel'skokhoziaistvennoi produktsii na 100 gektarov zemel'nykh ugodii v kolkhozakh i sovkhozakh BSSR. Red.kollegiia; I.S.Lupinovich i dr. Minsk, Gos.izd-vo BSSR. Red.sel'khoz. lit-ry, 1959. 601 p. (MIRA 13:4)

1. White Russia. Ministerstvo sel'skogo khozyaystva.
(White Russia--Agriculture)

DEMENT'YEV, V.A.

Division of White Russia into physicogeographical regions. Vop. geog. no.55:18-25 '61. (MIRA 15:1)
(White Russia--Physical geography)

DEMENT'YEV, Vasiliy Alekseyevich; ANDRYUSHCHENKO, Omufreiy Nesterovich; TETERINA, L.N., red.; SHALKOVSKAYA, A.V., red.; MORGUNOVA, G.M., tekhn. red.

[History of geography] Istoriia geografii. Minsk, Izd-vo M-va vysshego, srednego spetsial'nogo i professional'nogo obrazovaniia BSSR. Pt.1.[Geography in the ancient period and Middle Ages] Geografiia v drevnie i srednie veka. 1962. 138 p. (MIRA 15:7)

(Geography, Ancient) (Geography, Medieval)

DEMENT'YEV, V.A.; KOLOGRIVOV, V.N. (Moscow)

Emission spectrum during detonation of solid explosives in a vacuum. Zhur. fiz. khim. 36 no.3:458-462 Mr '62.
(MIRA 17:8)

1. Institut khimicheskoy fiziki AN SSSR.

RATOHYL'SKIY, Nikolay Stanislavovich; LYARSKIY, Petr Alekseyevich; ZAVRIYEV, V.G, prof., nauchn. red.; DEMENT'YEV, V.A., prof., nauchn. red.; GESB, N., red.; MORGUNOVA, G., tekhn. red.

[Geography] Geografiia. Minsk, Izd-vo "Vysshaia shkola," 1963. 379 p. (MIRA 17:3)

TIMOSHEVSKIY, Dmitriy Filippovich; DEMENT'YEV, V.A., red.;
GERASIMOVA, Ye.S., tekhn.red.

[The law of value and problems of price determination] Zakon stoimosti i problemy tsenoobrazovaniia. Moskva, Ekonomika, 1964. 65 p. (MIRA 17:3)

TYUKOV, Vasiliy Sergeyevich; LOKSHIN, Rafail Aleksandrovich; DEMENT'YEV, V.A., red.; BAZLOVA, Ye.M., mlad. red.

[Soviet trade during the transition period to communism] Sovetskaia torgovlia v period perekhoda k kommunizmu. Moskva, Ekonomika, 1964. 190 p. (MIRA 17:11)

MAYCHOV, V.V.; PANKRATOV, A.P.; [illegible], V.A.

Determination of the optimal parameters of multiple hole blasting in investigating the Caspian Lowland by the correlation method. Neftegaz. geol. i geofiz. no.[illegible]46 '63. (MIRA 17:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut geofizicheskikh metodov razvedki.

DEMENT'YEV, V.A., aspirant

Statistics of measuring low activities using devices with a constant background. Izv. TSKHA no.6:202-205 '64
(MIRA 18:1)

1. Kafedra prikladnoy atomnoy fiziki i radiokhimii Moskovskoy ordena Lenina sel'skokhozyaystvennoy akademii imeni K.A. Timiryazeva. Nauchnyy rukovoditel' - prof. V.V. Rachinskiy.

KRUTIKOV, Feliks Alekseyevich; DEMENT'YEV, V.A., red.; SLONOVA, I.D., mlad. red.

[Theoretical principles of determining the capacity of the market] Teoreticheskie osnovy opredeleniia emkosti rynka. Moskva, Ekonomika, 1965. 158 p. (MIRA 18:9)

CHERKOVETS, Viktor Nikitich; DEMENT'YEV, V.A., red.; SLONOVA, I.D., mlad. red.

[Development of socialist production according to plan] Planomernost' sotsialisticheskogo proizvodstva. Moskva, Ekonomika, 1965. 211 p. (MIRA 18:8)

DEMENT'YEV, V.A., prof., red.; ROMANOVSKIY, N.T., dots.kand.geog.nauk,red.;
MEL'NICHUK, S.M., dots., kand. geogr. nauk, red.; GES', N.,red.;
LITVINSKAYA, T., red.

[Geography of White Russia] Geografiia Belorussii. Minsk,
Vysshaia shkola, 1965. 379 p. (MIRA 18:12)

DEMENT'YEV, V.A., kand.tekhn.nauk; OSHANIN, D.A., kand.pedagog.nauk; VENDA, V.F., inzh.; GROUNDON, R.R., inzh.; MEL'NIKOV, I.V., inzh.; NECHAYEV, B.Ya., inzh.; RYBACHEV, N.V., inzh.; SMIGEL'SKIY, S.Ya., inzh.; STEPANOV, V.I., inzh.; TIMOFEYEV, V.A., inzh.; SHIROCHENSKIY, V.I., inzh.

Control of the operation of an overall automatic block. Mekh. i avtom.proizv. 19 no.2:47-52 F '65. (MIRA 18:3)

DEMENT'YEV, V.A., kapitan 1-go ranga

Methodology of a critique of studies on the working out of antisubmarine problems. Mor. sbor. 46 no.10:41-44 O '63. (MIRA 18:12)

L 32063-66 EWT(m)/T IJP(c)

ACC NR: AR6016158 SOURCE CODE: UR/0058/65/000/011/A048/A048

AUTHOR: Dement'yev, V. A.

TITLE: Comparative investigation of the sensitivity of SBT-10 counters and planar flow-through counters for measurement of compounds with small specific activity

SOURCE: Ref. zh. Fizika, Abs. 11A406

REF SOURCE: Dokl. Mosk. s.-kh. akad. im. K. A. Timiryazeva, vyp. 103, 1965, 495-497

TOPIC TAGS: radioactivity measurement, radiation counter, radiometry

ABSTRACT: In an earlier paper by the author ("Dokl. TSKhA," 1964, no. 99) he described apparatus for the measurement of small activities consisting of a measuring counter and several STS-5 counters connected for anticoincidence. The possibility of improving the sensitivity of the developed apparatus by choosing the working counters with conbinations of efficiency and background is discussed. The background of SBT-10 halogen multifilament counters in lead shielding 5 cm thick was measured. The counters had a mica window with 30 cm^2 area and 17 mg/cm^2 thickness. The radiation from a potassium standard was registered by these counters with efficiency 42%. When two such counters are arranged with the windows facing each other and connected in a two-channel anticoincidence circuit, the background is 194 counts/min. The efficiency of measurement of a thin compound of potassium by two counters is 84%. Such an apparatus can measure the inactivity of 10×10^{-12} Curie/hr with accuracy 20%. It is noted that the apparatus offers no advantages over the earlier setup by the author.

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ACC NR: AR6016158

An attempt was made to construct a flat counter with a lower background than the SBT-10 counter. The new counter constitutes a flat box measuring 6 x 6 x 1 cm made of aluminum foil 20 mg/cm^2 thick, the latter forming the cathode. The cathode was subdivided by means of aluminum partitions into three sections. A tungsten filament of 0.15 mm dia. was drawn in the center of each section. The counter was mounted in a Plexiglas housing with a window covered with a lavsan polyester film 3 mg/cm^2 thick. The counter operated in the flow-through mode. The gas mixture contained 96% He at atmospheric pressure enriched with ethyl-alcohol vapor and 4% diethyl ether vapor. A setup consisting of two such counters connected in a two-channel anticoincidence circuit can measure potassium with an efficiency of 70% and a background of 54%. The minimum activity which can be measured with this apparatus in one hour at an accuracy of 20% is 5 x 10^{-12} Curie. S. Z. [Translation of abstract]

SUB CODE: 18

Card 2/2

L 43036-66 EWT(1)/EWP(m)/EWT(m)/T WW/JW/JWD

ACC NR: AP6029761 (A) SOURCE CODE: UR/0414/66/000/002/0090/0095

AUTHOR: Strunina, A. G.; (Moscow); Abramov, V. G. (Moscow); Lovlya, S. A. (Moscow); Dement'yev, V. A. (Moscow)

ORG: none

TITLE: Study of the conditions of application of the thermally stable explosive No. 2 at high temperatures

SOURCE: Fizika goreniya i vzryva, no. 2, 1966, 90-95

TOPIC TAGS: explosive, thermal stability, critical temperature, ~~induction period,~~ ignition delay, explosive charge, critical pressure, high temperature effect, ignition, critical point

ABSTRACT: The conditions under which the thermally stable explosive No. 2 (unspecified) may be used, e.g., under elevated temperatures and pressures, in deep oil wells, were studied experimentally and theoretically. Critical ignition temperature T_*, critical induction period t_*, and critical charge diameter d_* were measured in a constant temperature reaction vessel with a layer of sand between the charge and the reactor walls. Equations were derived for calculating the critical temperatures of explosive No. 2 and for calculating the critical induction period for the explosive at any temperature. The upper temperature limit for the application of explosive No. 2 decreased with increasing charge diameter from 190 at d = 1.6 cm to 175C at d = 5.0 cm. The experimental data are in good agreement with the calculated data. Since the induction period increased with increasing charge diameter,

Card 1/2 UDC: 541.427.6

L 43036-66

ACC NR: AP6029761

large diameter charges are not practicable. It is shown that the explosive system has a "memory effect", i.e., the self-ignition delay in charges kept at certain temperatures for a second time, $t_2 = t_{ind} - t_1$, where t_1 is the ignition delay time after the first thermostating. It is shown that the explosion energy and detonation velocity of the charge decreased with increasing residence time of the charge (in an oil well), and the sensitivity of the charge to impact increased with the residence time. Orig. art. has: 3 tables, 3 figures, and 4 formulas. [PS]

SUB CODE: 19/SUBM DATE: 21Jul65/ORIG REF: 007/ATD PRESS: 5066

Card 2/2

L 41705-66 EWT(m)/T

ACC NR: AP6019571 SOURCE CODE: UR/0[illegible]5/66/000/004/0012/0015

AUTHOR: Dement'yev, V. A.

ORG: none

TITLE: Influence of the region of definition of the a priori probability on the estimate of the intensity-measurement accuracy

SOURCE: Izmeritel'naya tekhnika, no. 4, 1966, 12-15

TOPIC TAGS: probability, particle counting, signal to noise ratio, statistic distribution, radiation measurement, radiation intensity

ABSTRACT: The author solves the problem of determining the average counting rate (intensity) of nuclear particles by using the standard expression for the probability density, but under the assumption that the a priori probability density is constant not for any value of the intensity, as is customarily assumed, but only in a specified interval between the minimum and maximum intensities. The resultant corrections are significant when it is required to determine a weak intensity against a constant and known background. The results can be reconciled with other procedures for statistical reduction of nuclear-particle counting data, but have the advantage that they require the use of integral Poisson functions, tables of which are available. The error inherent in the method is estimated. Orig. art. has: 17 formulas.

SUB CODE: 20, 12/ SUBM DATE: 00/ ORIG REF: 005

Card 1/1

UDC: 519.1.074.088

L 39109-66

ACC NR: AP6030379 SOURCE CODE: UR/0096/66/000/006/0008/0012

AUTHOR: Stefani, Ye. P. (Doctor of technical sciences); Dement'yev, V. A. (Candidate of technical sciences); Duel', M. A. (Candidate of technical sciences); Rushchinskiy, V. M. (Candidate of technical sciences); Nechayev, B. Ya. (Engineer) 44 B

ORG: TsNIIKA

TITLE: Some results of introduction of automatic control systems of the "Kompleks" type at electric power stations

SOURCE: Teploenergetika, no. 6, 1966, 8-12

TOPIC TAGS: thermoelectric power plant, computer control system, remote control system

ABSTRACT: A description is presented of the "Kompleks" automatic control system, designed for thermalelectric power station equipment; some of the results of introduction of the information portion of this system at two thermal electric power stations are presented. The system consists of the following main parts: the control computer system; the information system; the selective visual control system; the selective remote control system; the mnemonic circuits with signal elements, signal panel and individual measuring instruments for especially important parameters; the control panel. The first model of this system was installed at Heat and Electric Power Station TETs-21 in Moscow. The information portion of the system was used experimentally in 1964, and put into full use after some faults were corrected in 1965. It has been concluded since

Card 1/2 UDC: 62-529.621.311.001.42

L 39105-66
ACC NR: AP6030379

that the main equipment of the operator's point of the unit is convenient and efficient, and easy to use; the selective visual control systems and selective remote control systems allowed the elimination of a large number of control instruments, essentially reducing the size and complexity of the control panel-- the reliability of both systems is rated as rather high; although the reliability of the system as a whole could be improved, it suffices; the information input devices and recording devices do not meet the technical requirements placed on them for accuracy and reliability. Orig. art. has: 5 figures and 5 tables. [JPRS: 36,741]

SUB CODE: 13, 10 / SUBM DATE: none / ORIG REF: 005

Card 2/2 mlp

ACC NR: AP6036047 SOURCE CODE: UR/0056/66/051/004/0989/1000

AUTHOR: Basov, V. A.; Dement'yev, V. A.; Krokhin, O. N.; Sklizkov, G. V.

ORG: Physics Institute im. P. N. Lebedev, Academy of Sciences SSSR (Fizicheskiy institut Akademii nauk SSSR)

TITLE: Heating and decay of a plasma produced by a giant laser pulse focused on a solid target

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 51, no. 4, 1966, 989-1000

TOPIC TAGS: ~~giant pulse laser~~, plasma decay, plasma diagnostics, laser application, laser production

ABSTRACT: The authors obtain the distribution of the fundamental gas dynamics parameters of the plasma produced by a giant laser pulse focused on a solid target (carbon) surface during its early decay stages. The plasma was investigated with apparatus having a high time resolution permitting the radii of various regions of the flare to be determined as functions of the time. The experiments consisted of recording the charged-particle flow to a shielded probe (Fig. 1), the giant pulse being produced by a neodymium-glass laser described elsewhere (ZhETF Pis'ma v. 2, 57, 1965). The motion of the luminous plasma boundary was investigated by high-speed photography with SFR-2M equipment at a time resolution of 1.5 nsec. The motion of the internal region of the flare was fol-

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ACC NR: AP6036047

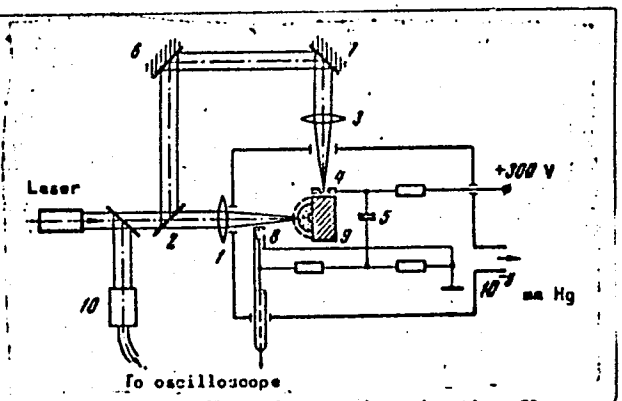

Fig. 1. Experimental setup for the determination of the R-t diagrams of the neutral boundary of the flare. 1 - Lens, 2 - semitransparent mirror, 3 - lens, 4 - discharge gap, 5 - capacitor, 6, 7 - mirrors, 8 - probe, 9 - target.

lowed by a shadow method with light from a laser pulse. The absorption in the flare was determined indirectly by measuring the transmission coefficient, and the density and temperature distributions in the flare were estimated from the measurement results as function of the laser power. A theoretical interpretation is proposed for the evolution of the heat rise and motion of the flare, based on the simplifying assumption that the problem has spherical symmetry and that the velocity varies linearly with the radius. The proposed theory is found to be in qualitative agreement with the experimental data. The authors thank V. S. Zuyev for collaborating in the experiments. Orig. art. has: 10 figures and 15 formulas.

SUB CODE: 20/ SUBM DATE: 21Mar66/ ORIG REF: 010/ OTH REF: 007/ ATD PRESS: 5106

Card 2/2

DEMENT'YEV, V.F.

Public inspectors are industrial efficiency promoters. Bezop. truda v prom. 1 no.3:34 Mr '57. (MLRA 10:4)
(Mine inspection)

OSETROV, P.P.; SOKOLOV, N.V.; KORDLEV, V.D.; DEMENT'YEV, V.F.; KUZNETSOVA, R.M.

High durability drilling ropes. Metallurg 7 no.12:28 D '62.
(MIRA 15:12)

1. Beloretskiy staleprovolochno-kanatnyy zavod.
(Wire rope)

MIZINOV, Vladimir Nikolayevich; DEMENT'YEV, Vasiliy Fedorovich; DUBNIKOVA, Mariya Pavlovna; CHERKE, Nina Alekseyevna; KASHMANOV, V.N., red.

[Organization of labor and wages in automotive transportation; a reference aid] Organizatsiia truda i zarabotnoi platy na avtomobil'nom transporte; spravochnoe posobie. Moskva, Transport, 1965. 246 p. (MIRA 18:4)

SOKOLOV, N.V., kand. tekhn. nauk; BURKOV, G.G., inzh.; KRASIL'NIKOV, L.A., inzh.; GOLOMAZOV, V.A., inzh.; BOBYLEVA, S.F.; LYSKOV, I.K.; Prinimali uchastiye: BREZHNEV, I.S.; SHCHETKIN, L.I.; YERMATSKAYA, A.M.; ANDRIANOVA, A.L.; SILANT'YEV, L.A.; NADEZHDINA, A.A.; LAKHMOSTOVA, F.S.; DEMENT'YEV, V.E.

Improvement of the processes of manufacturing high-strength, steel brass plated wire. Stal' 24 no.8:756-759 Ag '64. (MIRA 17:9)

1. Beloretskiy staleprovolochno-kanatnyy zavod.

14(6) SOV/112-59-5-8735

Translation from: Referativnyy zhurnal. Elektrotekhnika, 1959, Nr 5, p 46 (USSR)

AUTHOR: Dement'yev, V. G.

TITLE: Operating Conditions of Siphon-Type Spillways

PERIODICAL: Nauchno-tekhn. inform. byul. Leningr. politekhn. in-t, 1958, Nr 1-2, pp 76-80

ABSTRACT: In passing a partial discharge through a siphon spillway, sharp fluctuations of internal pressure take place; these fluctuations cause structure vibration, which is particularly strong during priming and emptying the siphons. In this connection, a need has arisen for taking measures that would ensure faultless operation of the siphons: emptying the water reservoir before the vernal flood, placing the siphon crest 0.2-0.5-m higher than the NPG and the inlet of the air tube at the NPG, making the volume of the storage prism larger, placing the siphon inlet lower than NPG, provision of an artificial system for shutting down the siphon, etc.

S.V.P.

Card 1/1

DEMENT'YEV, V.G.

Rational electric power consumption in vacuum driers.
Sakh.prom. 34 no.3:37-38 Mr '60. (MIRA 13:6)

1. Berdichevskiy sakharo-rafinadnyy zavod.
(Sugar industry--Equipment and supplies)

DEMENT'YEV, V.G.

Experience in using mechanical spray burners for burning fuel oil in low capacity boilers. Sakh.prom. no.4:49-54 Ap '60. (MIRA 13:8)

1. Berdichevskiy rafinadnyy zavod.
(Berdichev--Sugar industry--Equipment and supplies)
(Heat engineering)

DEMENT'YEV, V.G.

Determining the size of droplets formed during free disintegration of sprinker jets. Trudy LPI no.208:75-86 '60. (MIRA 13:9)
(Drops) (Sprinklers)

DEMENTYEV, V. G., GINSBURG, I. P., and GALANOVA, S. S.

"Solution of Laminar Boundary Layer Problems with Regard of Radiation and Absorption of a Medium."

Report submitted for the Conference on Heat and Mass Transfer, Minsk, BSSR, June 1961.

DEMENT'YEV, V. I.

"The Peculiarities of Valuation Surveys of Forests From Aerial Photographs in the Region of the Kuybyshev Hydroelectric Power Center." Cand Agr Sci, Leningrad Order of Lenin Forestry Engineering Academy imeni S. M. Kirov, Leningrad, 1955. (KL, No 15, Apr 55)

SO: Sum. No. 704, 2 Nov 55 - Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (16).

DEMENT'YEV, V.I.

3(4) PHASE I BOOK EXPLOITATION SOV/1835

Akademiya nauk SSSR. Laboratoriya aerometodov

Trudy, t. 6 (Transactions of the Laboratory of Aerial Methods, USSR Academy of Sciences, Vol 6) Moscow, Izd-vo AN SSSR, 1958. 280 p. Errata slip inserted. 1,500 copies printed.

Resp. Ed.: V.P. Miroshnichenko, Candidate of Geological and Mineralogical Sciences; Ed. of publishing House: D.M. Kudritskiy; Tech. Ed.: E.Yu. Bleykh.

PURPOSE: This volume is intended for geologists, photo interpreters, or other personnel engaged in the study of landscape formations, especially from the standpoint of aerial photography.

COVERAGE: This collection of studies and brief articles treats problems in aerial photography and photo interpretation in relation to geological phenomena. The geographical area of study, with minor exceptions, is the Caspian plains and western shore. Most of the studies are well illustrated with aerial photographs. Aside from the numerous articles on geological phenomena of the Caspian basin, the following are also covered: portions of the Russian platform, the Muyunkumy sands of Central Kazakhstan, photo interpretation of clayey flats, desert vegetation and tree cover, the effective lens speed of photographic objectives, photogrammetric determination of profiles on hydro technical models, and others. No personalities are mentioned. References follow each main article.

TABLE OF CONTENTS:

S/035/62/000/009/043/060
A001/A101

AUTHOR: Dement'yev, V. I.

TITLE: Indications for deciphering cedar plantations on aerial photographs

PERIODICAL: Referativnyy zhurnal, Astronomiya i Geodeziya, no. 9, 1962, 13, abstract 9G92 ("Tr. po lesn. kh-vu Sibiri. Sibirsk. otd. AN SSSR", 1960, 79 - 84)

TEXT: The author describes the indications for deciphering trees plantations (cedar and fir, cedar and birch, cedar and aspen) on the basis of works performed by the Lesotekhnicheskaya akademiya (Forest Engineering Academy) for the forest districts of Gornaya Shoriya. The author points out the characteristic darker tint of fir trees, the lighter, milk-white tint of aspen top projection, distinctly separate light-grey projections of cedar tops, the same height of birch trees. He describes in detail the shapes of projections of tops of cedar, fir, birch and aspen, as well as auxuliary signs of deciphering (location of definite trees); it is recommended to use panchromatic aerial film for aerial survey of mixed trees during autumn time and for reliable identification of almost white images of birch trees.

I. Mityachkin

[Abstracter's note: Complete translation]

Card 1/1

KATAYEV, Oleg Aleksandrovich; ZHURAVLEV, I.I., prof., retsenzent; SELISHCHENSKAYA, A.A., retsenzent; DEMENT'YEV, V.I., dots., otv. red.; FILONENKO, K.D., red.; URITSKAYA, A.D., tekhn. red.

[Principles of zoology] Osnovy zoologii; uchebnoe posobie dlia studentov lesokhoziaistvennogo fakul'teta. Leningrad, Vses. zaochnyi lesotekhn. in-t, 1962. 48 p. (MIRA 16:7)

1. Assistent kafedry entomologii Lesotekhnicheskoy akademii im. S.M.Kirova (for Selishchenskaya).
(Zoology)

DEMENT'YEV, V.L.

Architecture and nature; remarks of an architect. Okhr.prir. Mold. no.1:143-164 '60. (MIRA 15:2)
(Moldavia—Cities and towns)

GUSYATINSKIY, M.A., inzh.; DEMENT'YEV, V.I., inzh.

Operation of building machinery in the Far North. Mekh. stroi. 20 no.10:11-13 O '63. (MIRA 16:10)

DEMENT'EV, V. I. and EGOROV, M. E.

Tekhnologiia mekhanicheskoi obrabotki metallov. Izd. 3., dopoln. Dop v. kachestve uchebn. posobiia dlia mashinostroit. vtuzov i tekhnikumov. Moskva, Mashgiz, 1946. 471 p. illus.

First ed. published under title: Teknologicheskie protsessy obrabotki detalei no metallorezhushchikh stankakh. (Technological processes of maching machine parts.)

DLC: TJ1230.E3 1946

(Technology of metal maching.)

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953.

DEMENT'EV, V.I. and BRUSHTEIN, B.E.

Tokarnoe delo. Odobreno v kachestve uchebnika dlia remesl. uchilishch. Moskva, Mashgiz, 1947. 287 p.

Turning work

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953.

DEMENT'EV., V.I. and B.E. BRUSHTEIN

Osnovy tokarnogo dela; dlia tokarei po metallu na operatsionnykh rabotakh. Odobreno v kachestve uchebnika dlia shkol FZO. Moskva, Mashgiz, 1946. 157 p. illus. (Uchebniki dlia F (abrichno-)Z(avodskogo)O(bucheniia)

Fundamentals of turning; for turners operating with metals.

DLC: TT207. B7

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953.

DEMENT'YEV, V.I.

BRUSHTEYN, B.Ye., kandidat tekhnicheskikh nauk, dotsent; DEMENT'YEV, V.I., kandidat tekhnicheskikh nauk, dotsent; IGNAT'YEV, N.V., kandidat tekhnicheskikh nauk, retsenzent; AVRUTIN, S.V., dotsent, redaktor; RZHAVINSKIY, V.V., inzhener, redaktor; RAKOV, S.I., redaktor.

[Lathework] Tokarnoe delo. Izd.3., perer. i dop. Moskva, Trudrezervizdat, 1953. 446 p. (MLRA 7:7)
(Turning)

BRUSHTEYN, B.Ye.; DEMENT'YEV, V.I.; RZHAVINSKIY, V.V., redaktor; GLADKIKH, N.N., tekhnicheskiy redaktor

[Metal turner] Tokar' po metallu. Moskva, Gos. izd-vo oboronnoi promyshl., 1954. 279 p. (MLRA 8:6)
(Lathes)

BRUSHTEYN, Boris Yefimovich; DEMENT'YEV, Vladimir Ivanovich; RZHAVINSKIY, V.V., inzhener, redaktor; SHOR, D.S., redaktor; OSTRIKOV, N.S., tekhnicheskiy redaktor

[Turning] Tokarnoe delo. Izd.4-oe, perer. i dop. Moskva, Vses. uchebno-pedagog. izd-vo Trudreservizdat, 1956. 490 p. (MLRA 9:7)
(Turning)

DEMENT'YEV, V.I

MAKIYENKO, Nikolay Ivanovich; NOVIKOV, Mikhail Pavlovich; DEMENT'YEV, V.I., nauchnyy red.; KOPTEVSKIY, D.Ya., red.; LITVAK, D.S., red.; RAKOV, S.I., tekhn. red.

[Assembly of machinery] Sborka promyshlennoi produktsii. Izd.2., ispr. i dop. Moskva, Vses. uchebno-pedagog. izd-vo Trudrezervizdat, 1958. 494 p. (MIRA 11:7)

(Machinery—Erecting work)

DEMENT'YEV, V.I., kand. tekhn. nauk; OGRINCHUK, A.N., kand. tekhn. nauk; TEREKHOV, G.A., dots.; SHLYAPNIKOV, A.I., dots.; SHUVALOV, Yu.A., kand. tekhn. nauk; KAMENIR, Ya.A., kand. tekhn. nauk, retsenzent; PANTELEYEV, V.V., inzh., retsenzent; BAZHENOV, D.V., red. izd-va; UVAROVA, A.F., tekhn. red.

[Means for the automation of machining processes; manual] Sredstva avtomatizatsii mekhanicheskoi obrabotki; spravochnoe posobie. Moskva, Mashgiz, 1962. 520 p. (MIRA 15:3)
(Metalcutting) (Automation)

BRUSHTEYN, Boris Yefimovich; DEMENT'YEV, Vladimir Ivanovich; LITVAK, D.S., red.; CHI YUN-shuy[Ch'in Yung-shui], red.; BARANOVA, N.N., tekhn. red.

[Fundamentals of machining on lathes]Osnovy tokarnogo dela. Izd.4., dop. Moskva, Proftekhizdat, 1962. 325 p. (MIRA 16:1)

(Lathes) (Turning)

MEL'NIKOV, N.F.[deceased]; BRISTOL', B.N.; DEMENT'YEV, V.I.; CHIKHACHEV, S.A., inzh., retsenzent; LIBERMAN, L.S., inzh., retsenzent; GLEYZER, L.A., doktor tekhn. nauk, prof., red

[Technology of the manufacture of machinery] Tekhnologiia mashinostroeniia. Moskva, Mashinostroenie, 1965. 367 p. (MIRA 18:4)

YEGOROV, Mikhail Yegorovich, doktor tekhn. nauk, prof.; DEMENT'YEV, Vladimir Ivanovich, kand. tekhn.nauk, dots.; TISHIN, Sergey Dmitriyevich, kand. tekhn. nauk, dots.[deceased]; DMITRIYEV Vitaliy L'vovich, kand. tekhn. nauk, dots.; VLADZIYEVSKIY, A.P., doktor tekhn. nauk, prof., retsenzent; KUNIN, P.A., inzh., red.

[Technology of machinery manufacture] Tekhnologiia mashinostroeniia. Moskva, Vysshaia shkola, 1965. 589 p.
(MIRA 18:8)

Dement'yev, V.M.

130-3-3/21

AUTHORS: Vasyutin, F.P., Dement'yev, V.M., Klempner, K.S., and Machkovskiy, V.A.

TITLE: Signalling Device for the Limiting Level of Water in a Scrubber. (Signalizator predel'nogo urovnya vody v skrubbere).

PERIODICAL: Metallurg, 1958, No.3, pp.6-7 (USSR).

ABSTRACT: The authors briefly discuss methods of fixing the level of water in the high-pressure scrubber beyond the dry dust catchers of blast furnaces. They give two examples, a self-flushing type (Fig.1) and one with a float-operated valve (Fig.2). Both systems are unreliable because of pressure variations (especially when furnaces are operating at high top pressure) and the latter also because of corrosion and scaling. The authors go on to give a brief account of a radiation method for indicating water level in the scrubber, in which a radioactive source (cobalt) and a detector are so arranged on opposite sides of a float chamber that when the water reaches the appropriate level it cuts off an appreciable proportion of the radiation to the detector; a system of relays then causes an alarm to operate. The radio-active source is contained in a special container which

Card 1/2

Signalling device for the limiting level of water in a scrubber.

can easily be replaced. The system is recommended for determining dust levels in dust bags and for incorporation in an automatic two-position water-level regulator for scrubbers.
There are 4 figures.

ASSOCIATION: Makeyevka Metallurgical Works
(Makeyevskiy Metallurgicheskiy Zavod).

AVAILABLE: Library of Congress.

Card 2/2

Sov/133/58-9-26/29

AUTHORS: Dement'yev, V. M. and Kotrovskiy, M. M. (Engineers)

TITLE: A Study of the Process of Cooling of Ingots (Izucheniye protsessa okhlazhdeniya slitkov)

PERIODICAL: Stal', 1958, Nr 9, pp 847-851 (USSR)

ABSTRACT: Temperatures of the surface of ingots before placing them into soaking pits was regularly measured. This was found impracticable and a study of the cooling of ingots in ingot moulds, after stripping and during transport to the soaking pits was carried out. The temperature of the surface of ingots above 800°C was measured with an optical pyrometer and below 800°C with a thermocouple. On the basis of the results obtained cooling curves were constructed. From the cooling curves, tables and nomograms were made from

Card 1/2

Sov/133/58-9-26/29

A Study of the Process of Cooling of Ingots

which the surface temperatures of ingots can be determined from the time passed between teeming and arrival of ingots to the soaking pits with sufficient accuracy. There are 5 figures and 1 table.

ASSOCIATION: Makeyevskiy metallurgicheskiy zavod (Makeyevka Metallurgical Works)

Card 2/2

DEMENT'YEV, V.M., inzh.

Aerodynamic problems of fluidized beds [with summary in English]. Teploenergetika 6 no.1:50-56 Ja '59. (MIRA 12:1)

1. Makeyevskiy metallurgicheskiy zavod.
(Aerodynamics) (Fuel research)

DEMENT'YEV, V.M.

Calculating a multilayer kiln for burning limestone in a fluidized bed. Insh.-fiz.zhur. no.12:31-37 D '59.
(MIRA 13:4)

1. Metallurgicheskiy zavod im. S.M.Kirova, g.Makeyevka.
(Limekilns)

DEMENT'YEV, V.M.; KOTROVSKIY, M.M.; NEKHLEBAYEV, Yu.P.

Roasting limestone in a fluidized bed. Metallurg 5 no.6: 12-14 Je '60. (MIRA 13:8)

1. Makeyevskiy metallurgicheskiy zavod.
(Ore dressing) (Fluidization)

DEMENT'YEV, V.M.; SHKLYAR, M.S.

Differentiated design and the diaphragming of cast iron recuperators. Stal' 20 no.11:1042-1045 N '60. (MIRA 13:10)

1. Makeyevskiy metallurgicheskiy zavod.
(Heat regenerators)
(Pipe, Cast iron--Thermal properties)

DEMENT'YEV, V.M.; NEKHLEBAYEV, Yu.P.

Process of limestone calcination in a fluidized bed. Khim.prom. no.11:776-781 N '61. (MIRA 15:1)
(Limestone) (Fluidization)

DEMENT'YEV, V.M.; NEKHLEBAYEV, Yu.P.

Studying the quality of lime obtained in a fluidized bed.
Stroi. mat. 8 no.12:35 D '62. (MIRA 16:1)
(Lime—Testing)

DEMENTIYEV, V.M., kand.tekhn.nauk; TASHKOV, N.I.; SHKIYAR, N.S.; [illegible]EBAYEV, Yu.P.; KUNAHI, B.G.; KARPEN, V.D.

Purification of sintering machine gases in rod scrubbers. Metal. i gornorud. prom. no.6:74-75 N-D '63. (MIRA 17:2)

DEMENT'YEV, V.M.; NEKHLYBAYEV, Yu.P.; SHKLYAR, M.A.

Kilning limestone in a kiln with a fluidized bed. Stroi. mat. 10 no.7:27-29 Jl '64 (MIRA 18:1)

DEMENT'YEV, V.M.; NEKHLEBAYEV, Yu.P.; TISHCHENKO, A.T.; KHVASUKHIN, Yu.I.; IVANOV, G.A.

Flameless burning of gas in a furnace with a fluidized bed. Gaz. prom. 10 no.6:29-32 '65. (MIRA 18:6)

TAN-KIM-KHUON; DEMENT'YEV, Yu.P. [translator]; FEL'DMAN, O.I., red.; KHOMYAKOV, A.D., tekhn.red.

[Geography of Cambodia] Geografiia Kambodzhi. Moskva, Izd-vo inostr.lit-ry, 1959. 93 p. (Translated from the French)
(MIRA 12:11)

(Cambodia--Geography)

DEMENT'YEV, Yu.P.; ZHITKOV, V.N.; ANIKEYEV, P.V.

Detachable fishing tool. Biul.nauch.-tekh.inform.VIMS no.1:80-81 '60. (MIRA 15:5)

1. Severo-Vostochnoye geologicheskoye upravleniye.
(Boring machinery)

DEMENT'YEV, Yuriy Petrovich; SHEVYAKOV, G.N., otv.red.; KOZLOVSKAYA, G.M., red.izd-va; MIKHLINA, L.T., tekhn.red.

[The Republic of Mali; political and economic study] Respublika Mali; politiko-ekonomicheskii ocherk. Moskva, Izd-vo vostochnoi lit-ry, 1962. 89 p. (MIRA 15:5)
(Mali--Politics and government)
(Mali--Economic geography)

DEMESHKO, V. S.

State of the myocardium in toxic food infections according to data from electrocardiographic observations. Trudy LSGMI 67: 249-258 '62. (MIRA 15:7)

1. Kafedra gigiyeny pitaniya s klinikoy alimentarnykh zabolevaniy Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta (zav. kafedroy - prof. Z. M. Agranovskiy) i kafedra fakul'tetskoy terapii Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta (zav. kafedroy - prof. A. A. Kedrov) (zav. elektrokardiologicheskim otdeleniyem - M. B. Tartakovskiy).

(FOOD POISONING) (ELECTROCARDIOGRAPHY)
(HEART--MUSCLE)

DEMENT'YEV, V.S., inzhener.

Pulse method of fault location in cable lines. Energetik 4 no.9:32-33 S '56. (Electric lines) (MLRA 9:10)

AUTHOR: Dement'yev, V.S., Engineer SOV-91-58-4-24/29

TITLE: A Simple Amplifier Filter (Prostoy fil'tr usilitelya)

PERIODICAL: Energetik, 1958, Nr 4, p 28 (USSR)

ABSTRACT: The cable fault detector-amplifier and the audio frequency oscillator (Figure 1) are used for locating the interphase short-circuit on power transmission cables, as well as for determinating the cable run and underground depth by means of the induction method. Modern amplifiers reproduce not only the magnetic field of the cable being tested, but also the magnetic fields of bunched cables, streetcar electric networks and air lines. These magnetic fields cause disturbances in the audition of the damaged cable, errors in locating faults and even make many measurements impossible. The existing electric bridge filters with L and C are too large and those with R and C have a low quality. Therefore, the author suggests using headphones which are tuned to the frequency of the oscillator, their diaphragms being replaced

Card 1/2

A Simple Amplifier Filter

SOV-91-58-4-24/29

by cores which have a strictly fixed natural frequency. There are 2 diagrams.

1. Electric filters--Performance 2. Electric cable--Testing equipment 3. Headphones--Applications

Card 2/2

DEMSNT'YEV, Valeriy Sergeyevich; SHALYT, G.M., red.; VORONIN, K.P., tekhn.red.

[Locating damages in power cables] Kak opredelit' mesto povrezhdeniia v silovom kabele. Moskva, Gos.energ.izd-vo, 1960. 46 p. (Biblioteka elektromontera, vyp. 32)

(MIRA 14:1)

(Electric lines--Undergound)

SERGEYEVA, V.F.; DEMENT'YEV, V.S.

Spectrophotometric investigation of cupric chloride solutions. Zhur.neorg.khim. 5 no.7:1601-1604 Jl '60. (MIRA 13:7)

1. Kazakhskiy gosudarstvennyy universitet im. S.M.Kirova.
(Copper chloride—Spectra)

SYROMYATNIKOV, N.G.; EYRISH, M.V.; MUKASHEV, F.A.; KAPATSINSKAYA, L.A.; DEMENT'YEV, V.S.

Determination of the isotopic composition of thorium in natural formations. Radiokhimiia 5 no.2:164-170 '63. (MIRA 16:10)

DIMENT'YEV, V.S.; SYROMYATNIKOV, N.G.

Forms of the occurrence of thorium isotopes in ground waters.
Geokhimiia no.2:211-218 F '65. (MIRA 18:6)

1. Institut geologicheskikh nauk AN Kazakhskoy SSR, Alma-Ata.

DEMENT'YEV, V.S.; SYROMYATNIKOV, N.G.

Distribution of thorium isotopes between particles of various degree of dispersity in natural waters. Radiokhimiia 7 no.6:710-717 '65. (MIRA 19:1)

ROZHCHENKO, A.Ya.; NEVIROVSKIY, A.Ya.; DEMENT'YEV, V.T.

Experience in calcium carbide production in a sugar factory.
Sakh.prom.30 no.5:49-52 My '56. (MLRA 9:9)

1.Berdichevskiy rafinadnyy zavod.
(Electric furnaces) (Calcium carbide)

L 36000-66 EWT(d)/T/EWP(1) IJP(c)

ACC NR: AR6004029 SOURCE CODE: UR/0044/65/000/009/V032/V033

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B

AUTHOR: Dement'yev, V. T.

TITLE: A problem of the optimal distribution of points on a segment

SOURCE: Ref. zh. Matematika, Ab . 9V207

REF SOURCE: Sb. Diskretn. analiz. Vyp. 4. Novosibirsk, 1965, 23-27

TOPIC TAGS: distribution theory, dynamic programming

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ABSTRACT: The solution of the following problem by the method of dynamic programming is given. Two positive nondecreasing functions $F(x)$ and $g(x)$ are given on the segment $[a,b]$. It is required to distribute n points on it such that the integral sum

$$S_N = \sum_0^N [F(x_{k+1}) - F(x_k)]\, g(x_{k+1})$$

reaches a minimum. Here the m points x_{i_j} are fixed, $a = x_0 < x_1 < \ldots < x_{N+1} = b$, and $N = m + n$. A. Korbut [Translation of abstract]

SUB CODE: 12

Card 1/1 UDC: 512.25/.26+519.3:330.115

DEMENT'YEV, V.V.

Studying the effect of oblique streams in the river on the readings of current meters of different types. Trudy GGI no.90:64-79 '60.
(MIRA 14:1)

(Stream measurements)

DEMENT'YEV, V.V.

Study of the pulsation of moving water in mountain rivers and its effect on the accuracy of discharge measurement. Trudy GGI no.98:56-98 '62. (MIRA 15:12)
(Soviet Central Asia—Stream measurements)

DEMENT'YEV, V.V.

Accuracy of an integrated means of measuring water discharges in natural rivers. Trudy GGI no.106:36-70 '63. (MIRA 16:8)
(Steam measurements)

DEMENT'YEV, Ye. P.
USSR/Electronics - Microwave amplifiers FD-1057

Card : Pub 90-5/12

Author : Ye. P. Dement'yev

Title : Analysis of the operation of superhigh-frequency amplifiers

Periodical : Radiotekhnika 9, 46-56, Jul/Aug 1954

Abstract : Equivalent circuit is given for a shf amplifier stage operating under linear conditions, and the effective currents and voltages in it are determined. All possible ways of connecting the amplifier tube are examined, and the amplification factor, input conductance of the stage, and conditions for the absence of self-excitation are determined. Formulae are derived to permit transfer of the "current generators" from any part of a stage to any other part. These formulae can greatly simplify analysis of noise properties of any of the circuits discussed. Results of the latter analysis will be given in another paper. Six references; USSR, 1947-1951. Diagrams; table.

Institution : --

Submitted : 4 May 1953

DEMENT'YEV, Ye.P.

USSR/Electronics - Microwave amplifiers FD-2292

Card 1/1 Pub 90-5/12

Author : Dement'yev, Ye. P.

Title : Noise in Superhigh-Frequency Amplifiers

Periodical : Radiotekhnika 10, 45-52, Jan 1955

Abstract : Article examines general noise properties in amplifiers of any type. The mutual dependencies among amplifier noise parameters are established by the method of transfer of "current generators", which was published by the author in Radiotekhnika 9, No 4, 1954. General expressions for noise factors are found for any amplifier circuit; a determination is made of the minimum number of noise parameters characterizing a circuit; and the concept of partial noise parameters is introduced. The article analyses single-stage amplifier circuits, but the formulas can be used to analyze multistage amplifiers. Diagrams; table.

Institution: --

Submitted : May 4, 1953

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SOV/162-59-1-20/27

~~9 (2, 3)~~ 9.3240

AUTHORS: Dement'yev, Ye.P., Taratuta, A.S.

TITLE: One Method of Analyzing the Noise Properties of Amplifier Stages

PERIODICAL: Nauchnyye doklady vysshey shkoly, Radiotekhnika i elektronika, 1959, Nr 1, pp 176-181

ABSTRACT: The authors describe a method of changing the equivalent circuits of noisy four-poles, essentially simplifying the analysis of the noise properties of amplifier stages by transferring the so-called "noise current generators" from one circuit to another one, without changing the external characteristics of a four-pole. Ye.P. Dement'yev established [Ref 1] that three independent "current generators" are required for characterizing completely the noise properties of an amplifier stage. In [Ref 1] he described a method of "current generator" transfer and this paper is a further development of this method. The method establishes the connection between the equivalent circuit dia-

Card 1/3

One Method of Analyzing the Noise Properties of Amplifier Stages

grams of amplifier stages with three independent noise sources, shown in Fig 1, and with two intercorrelating noise sources, shown in Fig 2. Simultaneously, the method will solve the problem of the degree of correlation between the "current generators" $I_{w'1}$ and $I_{w'3}$. It is important to account for the phase relations between the conditionally positive directions of the "current generators"; a practical method is given for this purpose. The authors formulate a general rule for exchanging any "current generator", connected to any terminal of a four-pole, by two equivalent "current generators", connected between other terminals of that four-pole. For transferring a "current generator" from one terminal pair to two other terminals of a four-pole without disturbing the equality of output effects, the particular "current generator" must be short-circuited, thus the short circuit current passes thru those terminal pairs to which the "current generator" is to be

One Method of Analyzing the Noise Properties of Amplifier Stages

transferred. Then, the "current generator" to be transferred is removed from the circuit diagram, replacing the short circuit currents between two pairs of given terminals by "current generators", equal in value to the short circuit current but having its reversed sign. There are 13 circuit diagrams and 1 Russian reference.

ASSOCIATION: Kafedra radiopriyemnykh ustroystv Leningradskogo elektrotekhnicheskogo instituta (Chair of Radio Receivers of the Leningrad Electrical Engineering Institute)

SUBMITTED: September 16, 1958

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Card 3/3

DEMENT'YEV, Ye.P., kand.tekhn.nauk, dotsent

Elements of the general calculation theory of amplification circuits. Izv. LETI no.38:137-154 '59. (MIRA 13:8)
(Amplifiers (Electronics))

DEMENT'YEV, Yevgeniy Petrovich; PARKHOMENKO, L.M., red.; ZHITNIKOVA, O.S., tekhn. red.

[Elements of the fundamental theory and design of noisy linear networks] Elementy obshchei teorii i rascheta shumiashchikh lineinykh tsepei. Moskva, Gosenergoizdat, 1963. 209 p. (MIRA 16:7)
(Electric networks--Noise) (Amplifiers(Electronics))

DEMENT'YEV, Ye.P.

Means for improving the training of radio engineers. Radiotekhnika 18 no.5:70-71 My '63. (MIRA 16:8)

1. Deystvitel'nyy chlen Nauchno-tekhnicheskogo obshchestva radiotekhniki i elektrosvyazi imeni Popova.
(Electric engineers--Education and training)
(Radio--Study and teaching)

DEMENT'YEV, ZH. N.

23280. Ves Mashin Dlya Islytaniya Materialov. Zavodskaya Laboratoriya, 1949, No. 7, c. 882-84

SO: LETOPIS' NO. 31, 1949

FERDINAND, Ya.M.; MEDYUKHA, G.A.; KUCHERENKO, R.A.; DUNCHENKO, Ye.P.
STROKOVA, Ye.I.; SHCHEGLOVA, L.A.; PYASETSKAYA, Ye.A.;
DEMENT'YEVA, A.I.; ZOLINA, L.T.

Epidemiological effectiveness of the systematic use of the typhoid bacteriophage for chronic bacterial carriers. Sov. med. 24 no. 5:128-130 My '60. (MIRA 13:10)

1. Iz Rostovskogo-na-Donu instituta epidemiologii, mikrobiologii i gigiyeny.
(TYPHOID FEVER) (BACTERIOPHAGE)

DEMENT'YEVA, Anastasiya Nikolayevna; VARSHAVSKIY, A.S., red.; SHADRINA, N.D., tekhn.red.

[Protecting workers and employees in the U.S.S.R.] Okhrana truda rabochikh i slushashchikh SSSR. Moskva, Izd-vo VTsSPS Profizdat, 1959. 18 p. (MIRA 13:6)

(Industrial hygiene)

PETROV, P.S., dots.; BORISKIN, S.V., dots.; VASILENKO, N.A., starshiy prepod.; GERSHANOV, Ye.M., dots.; DEMENT'YEVA, A.N., starshiy prepod.; IL'IN, V.P., dots.; NIKITIN, D.P., starshiy prepod.; NIKITIN, D.P., starshiy prepod.; SHRAMCHENKO, K.G., starshiy prepod.; YUSHIN, V.I., starshiy prepod.; POPOV, A.S., red.; MESHALKIN, V.I., tekhn. red.

[Book of the trade-union committee chairman; aid to the factory, plant and workshop committee chairman] Kniga predsedatelia komiteta profsoiuza; v pomoshch predsedateliu fabrichnogo, zavodskogo, tsekhovogo komiteta. Moskva, Profizdat, 1962. 356 p. (MIRA 16:2)

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AUTHORS: Kirsanova, T. S., Shul'man, A. R., and Dement'yeva, A. V.

TITLE: Work function of thin barium oxide films applied to heated tungsten

PERIODICAL: Fizika tverdogo tela, v. 4, no. 9, 1962, 2615-2617

TEXT: The change in the work function of a·BaO-W system was determined as a function of the temperature of the W band during the spray coating of BaO. At pressures of the residual gas of $(1-2)\cdot 10^{-9}$ mm Hg, BaO was sprayed onto bands of temperatures between 800 and 1500°K. The dependence of the work function φ on the coating time t was determined for various temperatures of the W bands (Fig.). After some hours of spraying, φ becomes virtually independent of the coating time (equilibrium). If such a film is annealed for some hours at the temperature of the W-band during the coating, a quasistationary state is obtained in which the work function of the system does not noticeably change even on further heating. Annealing of the W-band during the spraying yields much more active thermionic emitters and more solid films than spraying onto cold bands. There is 1 figure.
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